Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

7280.39
N34Am

Marketing Honey and Beeswax 1979

Federal-State
Market News Service

United States Department of Agriculture
Agricultural Marketing Service
Fruit and Vegetable Division
and
Cooperating State Departments
of Agriculture

AMS-588

PREFACE

Information on the marketing of the 1979 honey and beeswax crops in the United States is summarized in this new annual publication, issued by the Fruit and Vegetable Division of the Agricultural Marketing Service, U.S. Department of Agriculture, in cooperation with State departments of agriculture.

Weighted average prices for various variety honeys, import and export figures, production estimates, beeswax prices, and pollination charges were taken from the monthly reports of Honey Market News. 1/

Appreciation is extended to beekeepers, packers, wholesalers, retailers, State bee inspectors, various associations, the Economics, Statistics, and Cooperatives Service (ESCS) of USDA 2/, and the Foreign Agricultural Service of USDA for contributing information used in this publication.

Issued September 1980

1/ Honey Market News is issued by the Market News Branch, Fruit and Vegetable Division, AMS, USDA, Washington, D.C. 20250. It is available free on request.

2/ ESCS discontinued its series of honey estimates with the issue of January 16, 1980. Tables 3, 4, 5, and 10 of this publication were extracted from that publication.

CONTENTS

Page

Summary of 1979 Marketing Season..... 5

Tables

1. Weighted average prices to domestic producers for selected honey sources and regions, 1978 and 1979..... 9

2. Weighted average prices paid importers for bulk honey by month for six selected countries, 1978 and 1979.....10

3. Honey and beeswax: Production and honey stocks, 1970-79.....11

4. Honey: Production in apiaries with 300 or more colonies in 20 selected States, 1977-79.....11

5. Honey production, 1977-79.....12

6. Honey: Supply and utilization, calendar years 1975-1979.....13

7. Imports of honey in metric tons into the United States by country of origin and by customs district, 1977-79.....14

8. Exports of honey in metric tons from the United States by country of destination, 1977-79.....15

9. Summary of United States foreign trade in honey, 5-year averages, 1920-24 to 1970-75; annual 1970-79.....16

10. Beeswax production, 1977-79.....16

11. Beeswax prices, cents per pound, by month, 1978 and 1979, simple averages, 1975-79.....17

12. Imports of crude beeswax in metric tons into the United States by country of origin and customs district, 1977-79.....18

13. Pollination rental prices by crop and State per hive, 1978 and 1979.....19

Figures

1. Honey prices, 1977-79.....8

2. Honey: Total supply and price per pound, 1960-79.....13

3. Percentage of normal precipitation, summer 1979.....20

4. Percentage of normal precipitation, fall 1979.....20

5. Temperature departure (°F) from 30-year mean, summer 1979.....21

6. Temperature departure (°F) from 30-year mean, fall 1979.....21

SUMMARY OF 1979 MARKETING SEASON

Honey production in 1979 totaled about 237 million pounds, 3 percent larger than the 1978 crop and the largest since 1973. Plentiful moisture in most areas and good bee flying weather helped bring about a good flow of honey, which was of generally good quality.

Demand and Consumption

Honey consumption in the United States totaled an estimated 279.9 million pounds in 1979. A net movement of 49.7 million pounds was shipped into the United States to meet demand.

Increased use of honey in households, bakeries, and industries -- along with higher foreign prices -- helped raise honey prices in the United States despite the increased supply.

Demand among packers was heavy for amber and bakery grades in early 1979 since most of 1978 production consisted of light-colored honey from alfalfa and clover acreage. Much of the demand for darker grades was filled by foreign supplies from Mexico and China.

Prices and Quality

Honey prices rose steadily in the early spring and summer months of 1979, as old-crop honey sold out. The market was fairly steady for the remainder of the year.

Prices to beekeepers for bulk honey increased, depending on variety, from 1 to almost 7 cents a pound in 1979.

The market for Florida's large orange honey crop rose only slightly, while darker and bakery grade honeys increased 3 cents through the summer to an average 48 cents per pound. The Western States' alfalfa-clover honey brought an average of 52.2 cents a pound at the end of the year. This was 6.8 cents higher than the previous year's average of 45.4 cents a pound. California's orange honey market peaked at an average of 52 cents in June.

The close price range between amber and white honeys at the beginning of 1979 widened as the 1979 crop was extracted and more darker honey became available.

In North Dakota, light honeys had a higher clover content and better color than some previous seasons. Idaho also had finer quality. In Pennsylvania, mixed flower honey was slightly darker than usual.

Many beekeepers held back parts of their honey crop for higher prices.

Beeswax prices in 1979 were about the same as in 1978. Prices for light-colored beeswax averaged slightly below 1978 prices in most Eastern States and generally higher than 1978 in Western States. Beeswax commanded higher prices in Western States than in Florida and North Central States. Beeswax was in greater supply in the East during 1979 since many combs were filled with honey which granulated too easily.

Government Supports

U.S. Department of Agriculture loan and purchase rates for the 1979 crop of honey averaged 43.9 cents per pound, 7.1 cents more than in 1978. The support level represented 60 percent of the April 1979 adjusted parity price of 73.1 cents per pound.

Loans and purchases were offered on 1979-crop honey stored in bulk and other eligible containers, on or off farms. Producers had until March 31, 1980, to request loans that would mature June 30, 1980.

The 1979-crop loan and purchase rates for extracted honey in 60-pound or larger containers, by color and class, were as follows:

Table honey	Cents per pound
White or lighter	44.7
Extra light amber	43.7
Light amber	42.7
Other table and non-table honey	40.7

Honey that beekeepers delivered to USDA's Commodity Credit Corporation to satisfy loans was to be used for domestic donation programs.

Exports

Exports of honey from the United States totaled 4,010 metric tons, about 10 percent more than 1978. Demand from Europe was good, drawing 361 more metric tons than in 1978. Most of the exported product was specialty honey such as the orange blossom variety from Florida.

Imports

Despite the larger U.S. honey crops of the past 2 years and increased exports, imports increased to 26,571 metric tons. This was 5 percent more than in 1978, but 8 percent lower than in 1977.

The largest supplier of imported honey was Mexico, followed by China, Canada, Brazil, and the Dominican Republic, in that order. China increased shipments by almost 30 times the 1978 level to 8,182 metric tons. Brazil and Argentina did not supply nearly as much as usual due to poor crop conditions and high prices.

Mexico's prices stayed fairly high during 1979, averaging about 49 cents per pound at the point of entry. This was 6 cents above the average price received in 1978. Increased demand from Japan and West Germany for Mexican honey contributed to the higher prices. China became a major competitor with Mexico in 1979, and Chinese honey brought comparable prices throughout the year. Canada's new-crop honey in 1979 was about 5 cents higher than old-crop honey marketed at the beginning of the year. Canada exported 9.5 million pounds of mostly clover and alfalfa honeys to the United States.

Production, Weather, and Costs

Colonies were in generally good condition throughout 1979, though pesticides were a serious problem in many areas. Several States noted losses of bees from pesticides during the late summer.

Wintering colonies were mostly in good condition. In many areas of the United States, however, fall and winter were mild, causing sugar stores to be depleted much more rapidly.

Winter in the Southeast during early 1979 was cold. This delayed honey flows, so extensive feeding was necessary. Some Midwest areas lost hives because of prolonged cold weather late in the season. In the Northwest, spring bloom was about 2-3 weeks late, and some heavy winter losses occurred.

During the spring, hives in many States were placed in orchards and fields for pollination work and buildup.

Florida's citrus bloom started near the end of March, and bees made good surpluses of honey. Citrus and mesquite flows were light in Arizona. In California, orange nectar supply was moderate though bloom duration was shorter than normal. Sage bloom in southern California produced adequate nectar, but yields in the central parts of the State were disappointing.

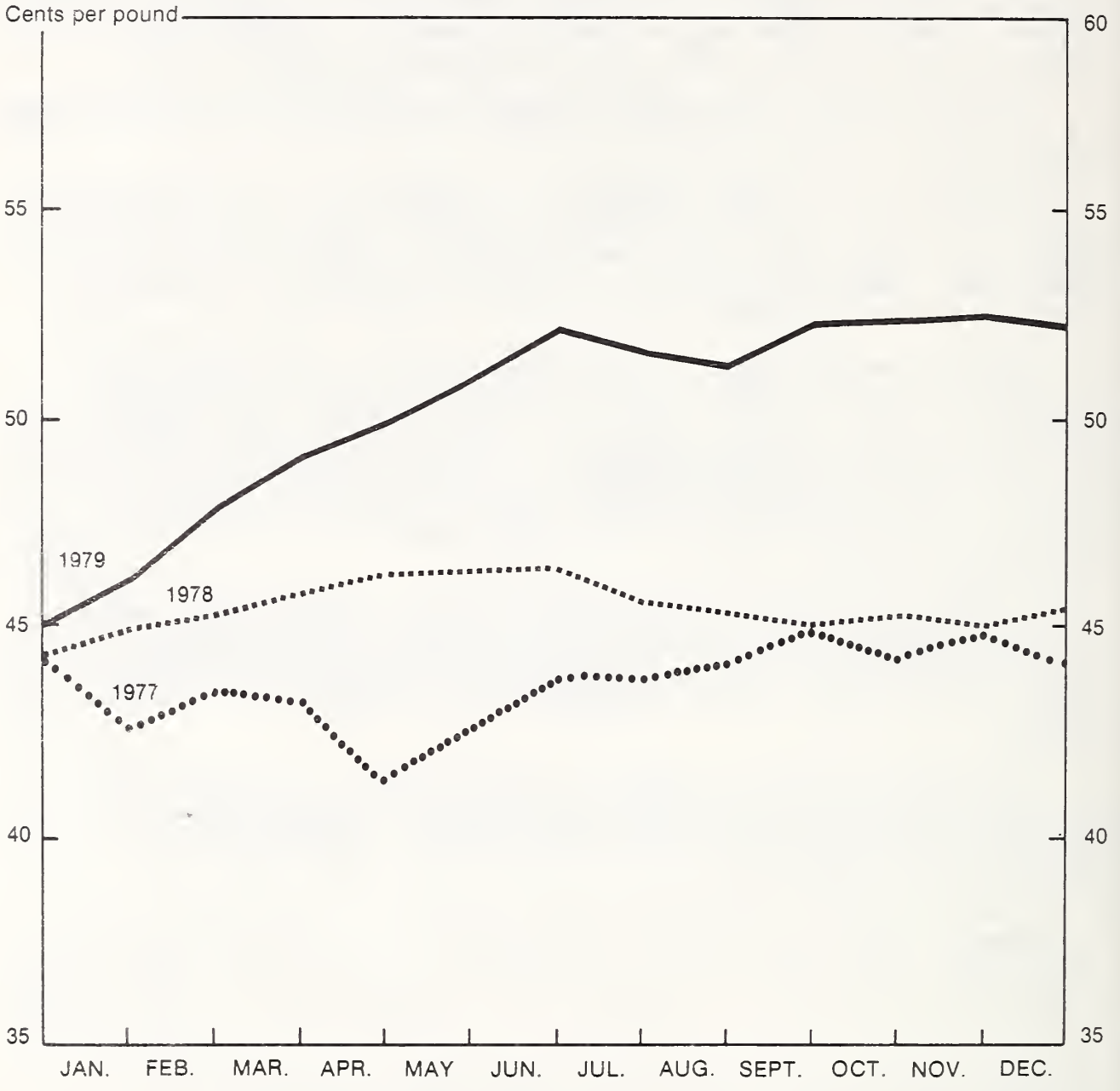
Rains in May disrupted Florida's tupelo, gallberry, and palmetto flows. But, recovery was good, with the State increasing honey production by 11 percent over 1978. Excellent clover and alfalfa flows provided abundant nectar in Idaho, Illinois, Oklahoma, Oregon, Washington, and Wisconsin. Nebraska and parts of California experienced very dry and warmer summers, causing low nectar yields. Lower temperatures in Texas delayed bloom periods. The central Atlantic Coast States experienced cool, damp weather and considerable honeydew collection in combs.

Production of honey in Georgia, Kentucky, Montana, Utah, and Wyoming made up for the low yields in California, Indiana, Nebraska, and Tennessee, resulting in 1979 total production greater than expected. Total production was 237.2 million pounds, 3 percent more than 1978's output of 230.3 million pounds.

Apiarists paid more for gasoline to go back and forth to apiaries, orchards, and honey houses and for sugar products to feed colonies. Packers had higher costs for glass to package honey and for transportation to distribute their products.

Figure 1

Prices



Prices paid to domestic producers for clover and alfalfa, light amber-water white, honey (bulk per pound F.O.B. shipping point, containers exchanged).

Table 1--Weighted average prices 1/ to domestic producers for selected honey sources and regions 1978 and 1979

Year and month	Florida		California			West	N.Central	South
	Orange 2/	Brazilian pepper 3/	Orange 4/	Alfalfa 5/	Mixed flowers 6/	Alfalfa-Clover 7/	Alfalfa-Clover 8/	Cotton 9/
	Cents							
1978								
Jan.	48.0	38.0	--	--	40.0	44.0	45.1	--
Feb.	47.4	36.9	--	39.0	39.7	45.2	45.5	42.0
Mar.	49.1	39.2	42.0	39.0	39.1	45.6	46.1	--
Apr.	45.0	41.1	44.0	45.0	--	46.2	46.2	--
May	45.1	--	43.5	--	--	45.7	46.5	43.0
June	45.0	--	43.5	--	40.6	40.0	46.4	45.9
July	45.3	--	46.0	44.0	40.2	44.0	45.3	--
Aug.	44.9	--	45.0	42.5	40.3	44.9	45.3	44.7
Sept.	45.5	--	42.5	41.3	41.5	45.0	44.7	41.5
Oct.	45.3	41.3	--	42.0	42.0	45.7	45.3	42.2
Nov.	46.1	42.3	--	42.0	41.8	45.3	45.3	43.4
Dec.	46.3	44.2	47.0	42.0	42.2	45.4	45.4	42.8
1979								
Jan.	49.6	44.9	46.0	--	44.9	46.3	47.5	44.0
Feb.	50.3	49.1	42.0 10/	45.0	44.0	46.7	48.7	40.5
Mar.	50.4	47.6	48.5	44.0	44.4	48.1	49.1	--
Apr.	50.4	48.0	48.0	--	45.0	51.3	50.0	--
May	50.2	48.0	48.0	--	48.0	50.6	51.1	--
June	50.3	--	51.9	48.6	48.7	50.4	52.7	--
July	51.5	48.0	50.2	47.7	48.1	51.6	52.6	--
Aug.	50.2	--	50.0	48.4	48.5	51.4	52.2	48.1
Sept.	50.7	49.0	48.3	50.0	48.0	53.1	52.5	48.9
Oct.	50.7	47.0	--	47.5	46.3	52.3	52.5	49.9
Nov.	51.2	47.6	--	--	46.9	52.2	52.8	48.7
Dec.	51.1	48.4	--	50.0	46.1	52.2	52.2	49.1

1/ Per pound bulk, f.o.b. shipping point, containers exchanged or returned.
2/ Extra light amber-water white.
3/ Amber-light amber.
4/ Extra light amber-water white, delivered nearby.
5/ Light amber-extra light amber, delivered nearby.
6/ Amber-extra light amber, delivered nearby.
7/ Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, white-water white.
8/ Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, New York, North Dakota, Ohio, South Dakota, Wisconsin, white-water white.
9/ Arizona, Arkansas, Louisiana, New Mexico, Oklahoma, Texas, light amber-water white.
10/ f.o.b.

Table 2-- Weighted average prices 1/ paid importers for bulk honey by month for six selected countries 1978 and 1979

Year and month	Mexico: Mixed flowers; extra light amber	Canada: Alfalfa-Clover; water white extra light amber	China-Mainland: Mixed flowers; extra light amber-amber	Brazil: Mixed flowers; light amber-amber	Argentina: Clover-Mixed flowers; water white light amber	Dominican Republic: Mixed flowers; light amber
			Cents			
1978						
Jan.	38.38	43.93	--	--	46.50	--
Feb.	41.16	44.67	--	35.50	45.93	--
Mar.	40.20	44.95	--		47.50	--
Apr.	43.41	45.72	--	41.88	45.98	41.00
May	44.31	46.29	--	38.54	47.84	--
June	44.41	45.26	43.67	--	--	--
July	43.00	45.00	--	--	46.50	--
Aug.	43.75	44.58	44.00	--	48.00	--
Sept.	44.17	45.18	44.50	45.00	47.50	--
Oct.	43.26	45.00	44.00	--	47.91	--
Nov.	44.01	46.00	44.68	43.00	--	--
Dec.	48.20	--	43.50	--	52.50	--
1979						
Jan.	47.92	46.94	47.50	--	--	--
Feb.	48.36	46.87	--	--	--	41.00
Mar.	48.14	49.54	47.20	52.00	--	50.50
Apr.	50.00	49.00	47.34	50.31	--	49.00
May	49.42	48.52	49.09	52.00	--	--
June	48.94	--	49.50	54.00	54.75	--
July	49.78	--	51.05	--	--	--
Aug.	49.61	52.48	49.73	--	--	50.00
Sept.	48.05	51.58	50.82	--	--	--
Oct.	48.00	54.32	--	--	--	--
Nov.	49.44	54.50	50.03	--	--	--
Dec.	49.29	53.87	47.00	--	--	--

1/ Duty paid, containers included per pound, ex-dock port or point of entry.

Table 3--Honey and beeswax: Production and honey stocks, 1970-79

Year	Honey				Beeswax
	Colonies	Yield per colony	Production	Stocks on hand	Production
	Thousands	Pounds	1,000 lbs.	1,000 lbs.	1,000 lbs.
1970	4,285	51.7	221,712	50,554	4,374
1971	4,107	48.2	197,826	32,262	3,597
1972	4,085	52.8	215,607	30,114	3,997
1973	4,124	58.0	239,089	37,417	4,251
1974	4,210	44.6	187,855	34,427	3,450
1975	4,206	47.4	199,179	33,155	3,405
1976	4,285	46.3	198,392	34,258	3,352
1977	4,346	41.1	178,499	30,111	3,095
1978	4,081	56.5	230,483	31,864	3,933
1979	4,145	57.2	237,268	37,849	3,727

Source: Crop Reporting Board, ESCS, USDA

Table 4--Honey: Production in apiaries with 300 or more colonies in 20 selected States, 1977-79

STATE	COLONIES				YIELD PER COLONY			HONEY PRODUCTION			
	1977	1978 1/	1979 1/	1979 % OF 1978	1977	1978	1979	1977	1978	1979	1979 % OF 1978
	THOUSANDS			PERCENT	POUNDS			1,000 POUNDS			PERCENT
ARIZ	46	46	44	96	48	50	64	2,208	2,300	2,816	122
CALIF	410	390	385	99	26	66	35	10,660	25,740	13,475	52
COLO	30	32	30	94	74	76	73	2,220	2,432	2,190	90
FLA	210	208	208	100	55	80	89	11,550	16,640	18,512	111
GA	120	115	120	104	32	28	40	3,840	3,220	4,800	149
IDAHO	94	91	90	99	49	46	55	4,606	4,186	4,950	118
ILL	8	7	7	100	52	52	62	416	364	434	119
IOWA	37	43	39	91	92	63	80	3,404	2,709	3,120	115
MICH	54	54	52	96	62	64	63	3,348	3,456	3,276	95
MINN	125	120	125	104	82	105	105	10,250	12,600	13,125	104
MONT	92	94	97	103	58	90	130	5,336	8,460	12,610	149
NEBR	130	117	120	103	50	65	40	6,500	7,605	4,800	63
N Y	52	48	52	108	33	64	68	1,716	3,072	3,536	115
N C	10	10	11	110	55	70	74	550	700	814	116
N DAK	128	152	182	120	88	128	120	11,264	19,456	21,840	112
OREG	30	32	29	91	43	45	45	1,290	1,440	1,305	91
S DAK	156	165	197	119	58	121	85	9,048	19,965	16,745	84
TEX	106	97	100	103	60	60	75	6,360	5,820	7,500	129
WASH	68	69	67	97	53	37	38	3,604	2,553	2,546	100
WIS	81	91	95	104	79	51	66	6,399	4,641	6,270	135
20 STS	1,987	1,915	1,976	103	52.6	76.9	73.2	104,569	147,359	144,664	98

1/ SUM OF STATE TOTALS EXCEED THE 20 STATE TOTAL BECAUSE OF DUPLICATION OF COLONIES BETWEEN STATES.

Source: Crop Reporting Board, ESCS, USDA.

Table 5--Honey production, 1977-79

STATE	COLONIES				YIELD PER COLONY			HONEY PRODUCTION			
	1977	1978 1/	1979 1/	1979 AS % OF 1978	1977	1978	1979	1977	1978	1979	1979 AS % OF 1978
	THOUSANDS			PERCENT	POUNDS			1,000 POUNDS			PERCENT
ALA	49	45	45	100	23	22	20	1,127	990	900	91
ARIZ	60	60	59	98	47	45	58	2,820	2,700	3,422	127
ARK	52	45	35	78	30	32	45	1,560	1,440	1,575	113
CALIF	525	504	504	100	26	62	34	13,650	31,248	17,136	55
COLO	41	41	39	95	67	67	67	2,747	2,747	2,613	100
CONN	8	8	8	100	28	26	36	224	208	288	138
DEL	3	4	4	100	30	34	32	90	136	128	94
FLA	360	356	360	101	40	67	78	14,400	23,852	28,080	118
GA	170	150	161	107	25	23	39	4,250	3,450	6,279	182
HAW	7	7	7	100	97	116	130	679	812	910	112
IDAHO	103	100	101	101	46	45	54	4,738	4,500	5,454	121
ILL	44	38	36	95	40	43	59	1,760	1,634	2,124	130
IND	79	76	75	99	39	51	36	3,081	3,876	2,700	70
IOWA	82	86	83	97	74	53	75	6,068	4,558	6,225	137
KANS	52	43	40	93	46	60	50	2,392	2,580	2,000	78
KY	53	46	52	113	22	23	33	1,166	1,058	1,716	162
LA	38	31	31	100	35	50	40	1,330	1,550	1,240	80
MAINE	5	5	5	100	18	31	34	90	155	170	110
MD	13	13	14	108	22	43	35	286	559	490	88
MASS	12	12	12	100	22	35	33	264	420	396	94
MICH	105	103	106	103	54	58	61	5,670	5,974	6,466	108
MINN	150	145	149	103	80	96	99	12,000	13,920	14,751	106
MISS	59	52	49	94	23	25	30	1,357	1,300	1,470	113
MO	116	112	124	111	48	56	64	5,568	6,272	7,936	127
MONT	96	99	103	104	57	89	128	5,472	8,811	13,184	150
NEBR	144	127	130	102	50	65	40	7,200	8,255	5,200	63
NEV	10	9	12	133	55	40	35	550	360	420	117
N H	4	4	4	100	28	35	28	112	140	112	80
N J	37	35	34	97	34	30	40	1,258	1,050	1,360	130
N MEX	17	13	14	108	33	33	36	561	429	504	117
N Y	120	110	113	103	31	56	62	3,720	6,160	7,006	114
N C	205	190	180	95	25	32	30	5,125	6,080	5,400	89
N DAK	136	160	190	119	88	128	120	11,968	20,480	22,800	111
OHIO	97	89	83	93	26	35	31	2,522	3,115	2,573	83
OKLA	65	60	55	92	34	38	50	2,210	2,280	2,750	121
OREG	58	60	53	88	37	32	37	2,146	1,920	1,961	102
PA	93	78	74	95	31	31	41	2,883	2,418	3,034	125
R I	1	1	1	100	30	32	34	30	32	34	106
S C	60	56	59	105	18	21	20	1,080	1,176	1,180	100
S DAK	165	171	204	119	58	120	85	9,570	20,520	17,340	85
TENN	160	140	135	96	22	30	23	3,520	4,200	3,105	74
TEX	210	185	190	103	43	47	60	9,030	8,695	11,400	131
UTAH	48	47	46	98	50	30	48	2,400	1,410	2,208	157
VT	8	9	9	100	24	35	42	192	315	378	120
VA	80	77	78	101	20	33	28	1,600	2,541	2,184	86
WASH	91	82	80	98	44	34	38	4,004	2,788	3,040	109
W VA	89	93	104	112	20	30	34	1,780	2,790	3,536	127
WIS	125	124	135	109	77	51	65	9,625	6,324	8,775	139
WYO	41	41	39	95	64	55	85	2,624	2,255	3,315	147
U S	4,346	4,081	4,145	102	41.1	56.5	57.2	178,499	230,483	237,268	103

1/ SUM OF STATE TOTALS EXCEED THE U.S. TOTAL BECAUSE OF DUPLICATION OF COLONIES BETWEEN STATES.

Source: Crop Reporting Board, ESCS, USDA

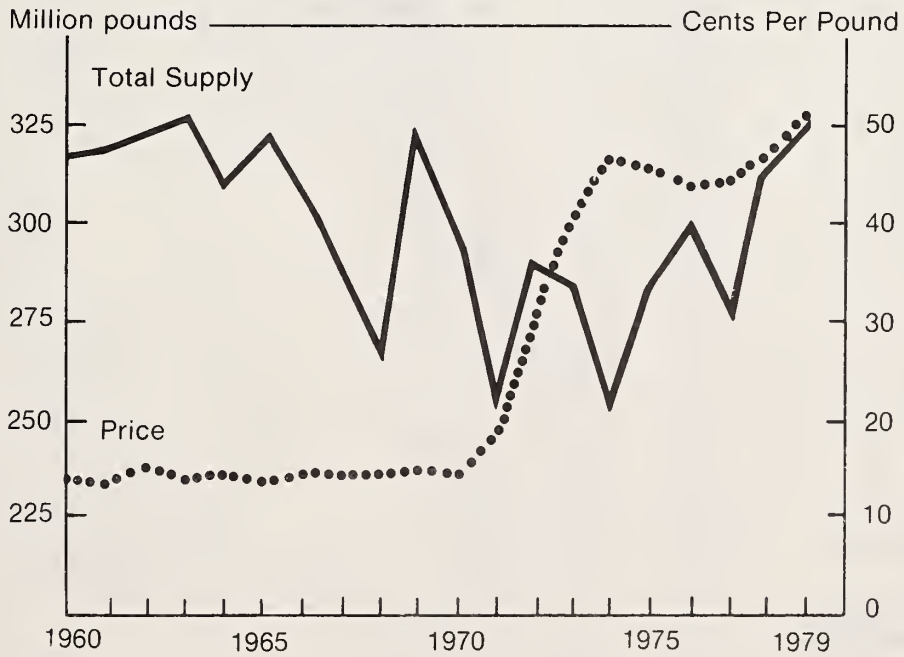
Table 6--Honey: Supply and utilization, calendar years, 1975-79

Item	Actual				Estimated
	1975	1976	1977	1978	1979
Production Factors					
Colony number (1,000)	4,206	4,285	4,346	4,081	4,145
Yield (pound per colony)	47.4	46.3	41.1	56.5	57.2
Supply (million pounds)					
Carryin	34.4	33.2	34.3	30.1	31.9
Production	199.2	198.4	178.5	230.5	237.3
Imports	46.4	66.5	63.9	56.0	57.0
Total	280.0	298.1	276.7	316.6	326.2
Utilization (million pounds)					
Domestic disappearance	242.8	259.1	241.1	276.7	279.9
Exports	4.0	4.7	5.5	8.0	8.5
Carryout	33.2	34.3	30.1	31.9	37.8

Source: Economics, Statistics and Cooperatives Service, USDA.

Figure 2

Honey: Total Supply and Price Per Pound 1960-1979



Total U.S. honey supply and price per pound of Alfalfa Clover white to water-white produced in New York and North Central States.

Table 7--Imports 1/ of honey in metric tons into the United States by country of origin and by customs district 1977-79

Country of origin	1977	1978	1979
NORTH AMERICA			
Canada	6,830	3,972	4,314
Mexico	14,839	8,322	9,222
CENTRAL AMERICA			
Guatemala	523	76	293
Belize	15	--	--
El Salvador	439	155	300
Honduras	112	164	242
Costa Rica	137	37	19
Panama	--	56	18
CARIBBEAN			
Jamaica	5	1	1
Cayman Islands	--	1	2
Dominican Republic	351	576	581
Netherlands Antilles	--	19	--
SOUTH AMERICA			
Colombia	1	100	225
Venezuela	25	186	15
Ecuador	--	2	18
Peru	--	21	95
Chile	20	170	25
Brazil	1,003	3,982	2,110
Uruguay	18	75	4
Argentina	4,144	6,982	400
EUROPE			
Sweden	2	3	2
Denmark	1		1
United Kingdom	6	24	17
Ireland	1	--	--
Netherlands	1	4	1
Belgium-Luxembourg	18	--	--
France	2	1	1
West Germany	21	29	19
Austria	--	1	--
Hungary	1	--	2
Switzerland	--	--	0
Poland	--	5	--
Soviet Union	1	2	2
Spain	10	2	13
Italy	4	2	2
Yugoslavia	3	2	--
Greece	31	20	14
Turkey	--	0	--
ASIA			
Israel	5	8	10
India	--	0	--
Indonesia	--	--	0
China (Mainland)	289	301	8,182
Hong Kong	1	0	127
China (Taiwan)	0	17	46
AUSTRALIA & OCEANIA			
Australia	20	23	242
New Zealand	36	39	9
AFRICA			
South Africa	66	--	--
TOTAL WORLD	28,981	25,385	26,571

Customs district	1977	1978	1979
Portland, MAINE	--	0	2
St. Albans, VT.	5	27	10
Boston, MASS.	45	56	50
Ogdensburg, N.Y.	130	274	92
Buffalo, N.Y.	111	182	392
New York, N.Y.	2,123	3,914	3,989
Philadelphia, PA.	1,507	2,284	3,041
Baltimore, MD.	122	435	196
Norfolk, VA.	32	77	--
Wilmington, N.C.	--	39	--
Charleston, S.C.	--	--	0
Savannah, GA.	69	--	20
Tampa, FLA.	310	1,618	355
New Orleans, LA.	326	2,083	353
Laredo, TEX.	5,797	3,957	5,088
El Paso, TEX.	41	31	16
San Diego, CALIF.	8,459	3,670	3,045
Nogales, ARIZ.	309	167	465
Los Angeles, CALIF.	902	663	3,075
San Francisco, CAL.	527	211	862
Portland, OREG.	117	31	3
Seattle, WASH.	1,833	1,248	1,681
Honolulu, H.I.	0	--	--
Anchorage, ALASKA	0	--	19
Great Falls, MONT.	2,148	726	618
Pembina, N.DAK.	2,674	1,724	1,799
Milwaukee, WISC.	0	--	--
Detroit, MICH.	284	11	233
Chicago, ILL.	683	1,252	78
Cleveland, OHIO	1	1	--
St. Louis, MO	--	--	0
San Juan, P.R.	97	138	205
Miami, FLA.	285	487	883
Houston, TEX.	43	75	0
TOTAL WORLD	28,981	25,385	26,571

1/ TOTAL WORLD 1977-1979 does not necessarily reflect total of columns due to rounding off of figures.

SOURCE: Foreign Agricultural Service

Table 8--Exports 1/ of honey in metric tons from the United States by country of destination 1977-79

Country of destination	1977	1978	1979
NORTH AMERICA			
Canada	140	210	161
Mexico	3	7	5
CARIBBEAN			
Bermuda	10	13	14
Bahamas	6	40	5
Dominican Republic	--	--	2
Leeward-Windward Islands	1	2	0
Barbados	11	11	19
Netherlands Antilles	11	15	7
SOUTH AMERICA			
Columbia	--	6	--
Surinam	4	5	11
Chile	--	--	48
Brazil	--	3	4
EUROPE			
Iceland	--	--	5
Sweden	29	25	26
Norway	--	12	13
Denmark	--	1	1
United Kingdom	59	130	165
Netherlands	242	614	739
Belgium-Luxembourg	23	28	68
France	50	135	262
West Germany	712	808	707
Switzerland	5	10	13
Italy	18	12	35
Greece	2	6	10
ASIA			
Syria	1	3	--
Lebanon	3	3	78
Iran	64	152	149
Jordan	9	26	22
Kuwait	82	59	44
Saudi Arabia	470	621	668
Qatar	34	37	29
United Arab Emirates	24	36	82
Yemen (Sana)	10	25	19
Yemen (Aden)	--	4	7
Oman	6	7	9
Bahrain	9	22	36
Thailand	50	3	9
Malaysia	21	25	26
Singapore	38	62	80
Indonesia	3	--	6
Brunei	1	2	3
Philippines	29	51	44
China (Mainland)	--	--	1
South Korea	6	15	51
Hong Kong	47	36	32
China (Taiwan)	13	28	--
Japan	235	304	269
AUSTRALIA & OCEANIA			
Australia	--	10	5
French Pacific Islands	1	1	--
Canary Islands	1	--	--
Trust Territory Pacific Islands	--	4	--
AFRICA			
Libya	--	--	2
Sierre Leone	1	1	2
Ivory Coast	--	5	--
Nigeria	10	12	8
Liberia	9	7	11
Djibouti	--	--	1
TOTAL WORLD	2,504	3,649	4,010

1/ TOTAL WORLD 1977-1979 does not necessarily reflect total of columns due to rounding off of individual figures. Source: Foreign Agricultural Service.

Table 9--Summary of United States foreign trade in honey, 5-year averages, 1920-24 to 1970-75; annual 1970-79

Year	Imports for consumption	Exports	Net movement	
			From U.S.	Into U.S.
		Metric tons		
Average				
1920-24	2,904	1,201	--	1,703
1925-29	1,369	4,021	2,652	--
1930-34	1,112	1,878	766	--
1935-39	1,055	1,021	--	34
1940-44	8,307	405	--	7,902
1945-49	7,283	1,271	--	6,012
1950-54	4,351	9,291	4,940	--
1955-59	2,527	8,477	5,950	--
1960-64	3,269	5,830	2,561	--
1965-69	6,465	5,251	--	1,214
1970-75	8,702	3,808	--	4,894
Annual				
1970	4,021	3,697	--	324
1971	5,192	3,439	--	1,753
1972	17,672	1,861	--	15,811
1973	4,834	7,973	3,139	--
1974	11,793	2,073	--	9,720
1975	21,038	1,810	--	19,228
1976	30,163	2,129	--	28,034
1977	28,981	2,504	--	26,477
1978	25,385	3,649	--	21,736
1979	26,571	4,010	--	22,561

Compiled from reports of the United States Department of Commerce.

Table 10--Beeswax production 1977-79

State	Production (1,000 lbs.) 1977	1978	1979	State	Production (1,000 lbs.) 1977	1978	1979
Ala.	29	27	23	Nebr.	144	152	104
Ariz.	45	45	34	Nev.	9	6	6
Ark.	27	27	27	N.H.	2	4	3
Calif.	205	554	291	N.J.	20	18	27
Colo.	55	58	52	N.Mex.	10	8	7
Conn.	4	5	7	N.Y.	67	99	119
Del.	2	4	4	N.C.	97	122	113
Fla.	216	334	337	N.Dak.	168	348	365
Ga.	55	69	63	Ohio	43	50	46
H.I.	11	11	15	Okla.	42	43	47
Ida.	74	81	82	Oreg.	36	35	31
Ill.	30	36	32	Pa.	46	47	58
Ind.	60	78	54	R.I.	1	1	1
Iowa	97	86	118	S.C.	22	26	24
Kans.	48	39	40	S.Dak.	163	226	277
Ky.	21	20	31	Tenn.	84	84	68
La.	25	25	19	Tex.	163	148	171
Me.	2	2	3	Utah	38	25	38
Md.	8	12	11	Vt.	2	4	5
Mass.	5	6	6	Va.	22	38	39
Mich.	85	93	84	Wash.	68	53	40
Minn.	228	251	266	W.Va.	24	45	35
Miss.	34	31	34	Wisc.	164	114	123
Mo.	139	146	63	Wyo.	50	38	60
Mont.	104	159	224	U.S.	3,095	3,933	3,727

Table 11--Beeswax 1/ prices, cents per pound, by month 1978 and 1979, simple average 1975-79

Year	California	Florida-Georgia	North Central 2/	West 3/
1975	108.0	94.3	97.5	117.2
1976	115.0	113.6	116.6	105.7
1977	158.1	165.0	166.2	--
1978	173.8	183.5	183.1	173.6
1979	176.9	175.4	181.7	180.4
1978				
January	--	180-185	185-195	175
February	--	185	185-190	170
March	--	180-185	185-195	--
April	170	185	185-190	--
May	--	185	185-190	--
June	170-185	185	170-190	--
July	175-188	185	170-200	185
August	170	185	160-195	170
September	165-175	185	170-190	--
October	170-175	185	170-185	170
November	175	170-185	160-190	170
December	--	175-185	170-190	170-180
1979				
January	180	185	180-200	180
February	175-180	185	170-200	--
March	170-185	170-185	170-190	185
April	170-175	160-165	170	--
May	170-185	170-175	170-180	--
June	170-175	170	170-185	--
July	170-185	170	165-205	--
August	170-185	170-180	170	170-175
September	170	160-170	170-185	170-200
October	170-185	170-185	170-200	170-175
November	180-185	185	185-200	180
December	180	175-185	185-200	175-200

1/ Light colored.
2/ Illinois Ind,Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, New York, North Dakota, Ohio, South Dakota, Wisconsin.
3/ Alaska, Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming.

Table 12--1/ Imports of crude beeswax in metric tons into the United States by country of origin and customs district, 1977-79

Country of origin	1977	1978	1979	Customs District	1977	1978	1979
NORTH AMERICA				St. Albans, VT.	5	--	--
Canada	181	194	78	Ogdensburg, N.Y.	60	52	0
Mexico	331	121	160	Buffalo, N.Y.	--	2	8
				New York, N.Y.	1,058	853	735
CENTRAL AMERICA				Laredo, TEX.	29	--	0
El Salvador	1	--	--	El Paso, TEX.	1	1	0
				Nogales, ARIZ.	1	--	--
CARIBBEAN				San Diego, CALIF.	16	14	3
Haiti	25	22	16	Los Angeles, CALIF.	6		3
Dominican Republic	154	150	174	Seattle, WASH.	33	18	3
				Anchorage, ALASKA	--	--	1
				Honolulu, HAWAII	--	--	0
SOUTH AMERICA				Great Falls, MONT.	56	50	21
Ecuador	--	10	--	Pembina, N.DAK.	27	72	44
Peru	--	2	--	Detroit, MICH.	--	0	--
Chile	214	215	152	Chicago, ILL.	--	--	0
Brazil	187	190	122	Cleveland, OHIO	--	--	5
Uruguay	--	3	--	San Juan, P.R.	--	0	0
				San Francisco, CALIF.	--	6	10
EUROPE							
Spain	12	--	--				
Portugal	10	--	--				
United Kingdom	--	--	0				
France	--	--	5				
ASIA							
Egypt	--	15	--				
India	--	2	--				
China (Mainland)	--	6	10				
AUSTRALIA & OCEANIA							
Australia	--	--	3				
New Zealand	6	--	0				
AFRICA							
Ethiopia	126	137	114				
TOTAL WORLD	1,293	1,067	836	TOTAL WORLD	1,293	1,067	836

1/ TOTAL WORLD 1977-1979 does not necessarily reflect total of columns due to rounding off of individual figures.

Source: Foreign Agricultural Service

Table 13--Pollination rental prices by crop and State per hive, 1978 and 1979

State	1978	State	1979
California	Alfalfa seed $10.00-16.00 mostly $14.00 Almond $7.00-14.00 mostly $10.00-14.00 few $17.00 occasionally $6.00 Cantaloups $12.00-14.00 some $10.00 Cherries $4.00-5.00 Cucumber $15.00 Peach $10.00 Plum $10.00 Nectarine $10.00	California	Alfalfa seed $13.00-16.00 mostly $14.00-16.00 Almond (depending on area) $16.00-17.00, occasionally $18.00, $11.00-14.00, $6.00-$9.50 Cucumbers $10.00-20.00 Onion seed $10.00 Melons $13.00-15.00, occasionally $16.00
Florida	Squash $12.00-15.00	Florida	Avocado $10.00-15.00 Citrus - agreement basis for honey crop Squash $15.00-20.00
Illinois	Cucumbers, melons and pumpkins $18.00-25.00 occasionally $30.00	Illinois	Melons $25.00 Orchards $12.00-15.00
New Jersey	Blueberries $15.00	Maryland	Fruit trees $8.00-15.00 mostly $12.00
New York	Apples $16.00-18.00	Michigan	Blueberries and Fruit trees $17.00-20.00
North Carolina	Blueberries $15.00-20.00 Cucumbers $20.00-30.00 mostly $20.00 Watermelons $20.00-30.00	North Carolina	Apples $12.50-15.00 Blueberries $20.00 Cucumbers and squash $20.00-30.00 mostly $20.00-25.00
Ohio	Cucumbers $25.00 Fruit trees $15.00	Ohio	Apples, blueberries, peaches and strawberries $15.00 Cucumbers $25.00-28.00
Pennsylvania	Apples $10.00-20.00 mostly $20.00	Pennsylvania	Blueberries $10.00-20.00 mostly $14.00
Virginia	Apples $10.00-11.00	Virginia	Apples $12.00
Washington	Almonds $15.00-20.00		
Wisconsin	Apples, cherries $10.00-15.00 Cranberries $25.00-30.00		

Figure 3

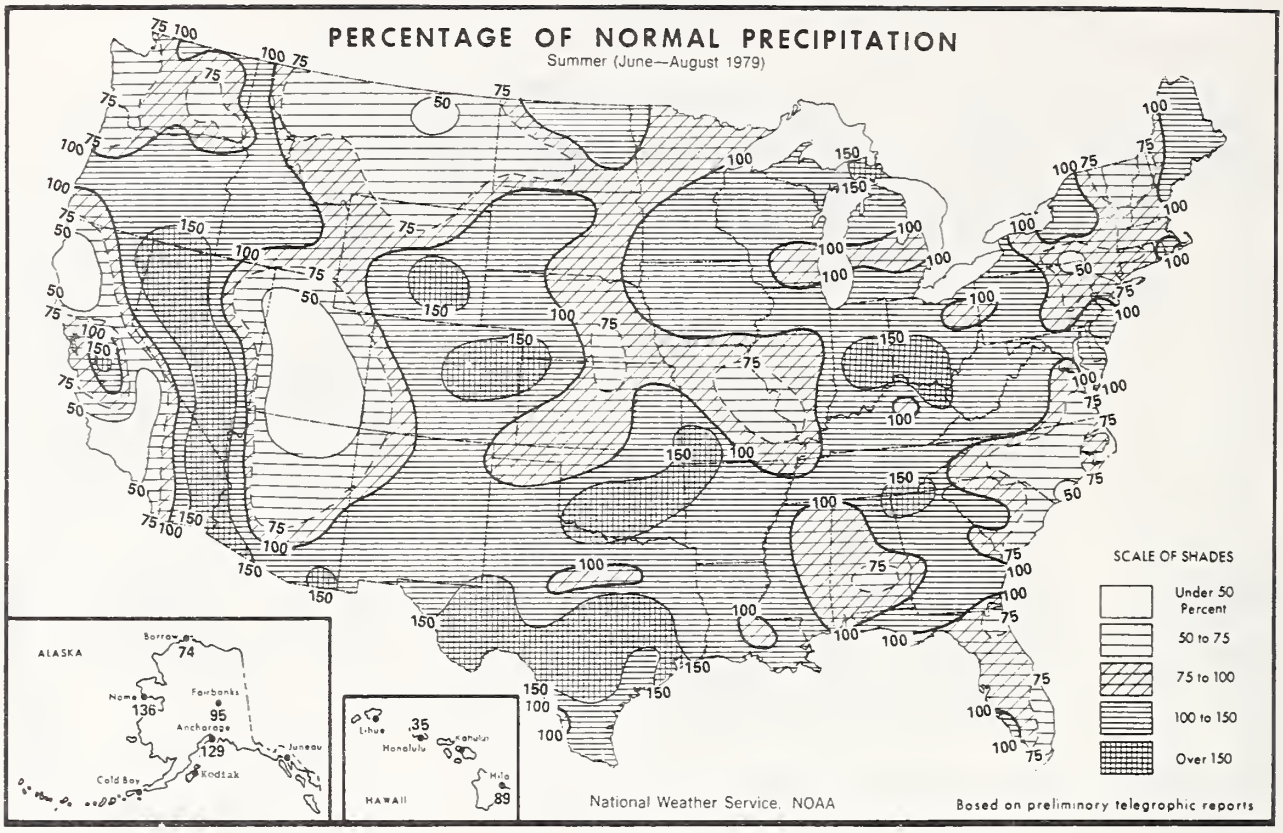
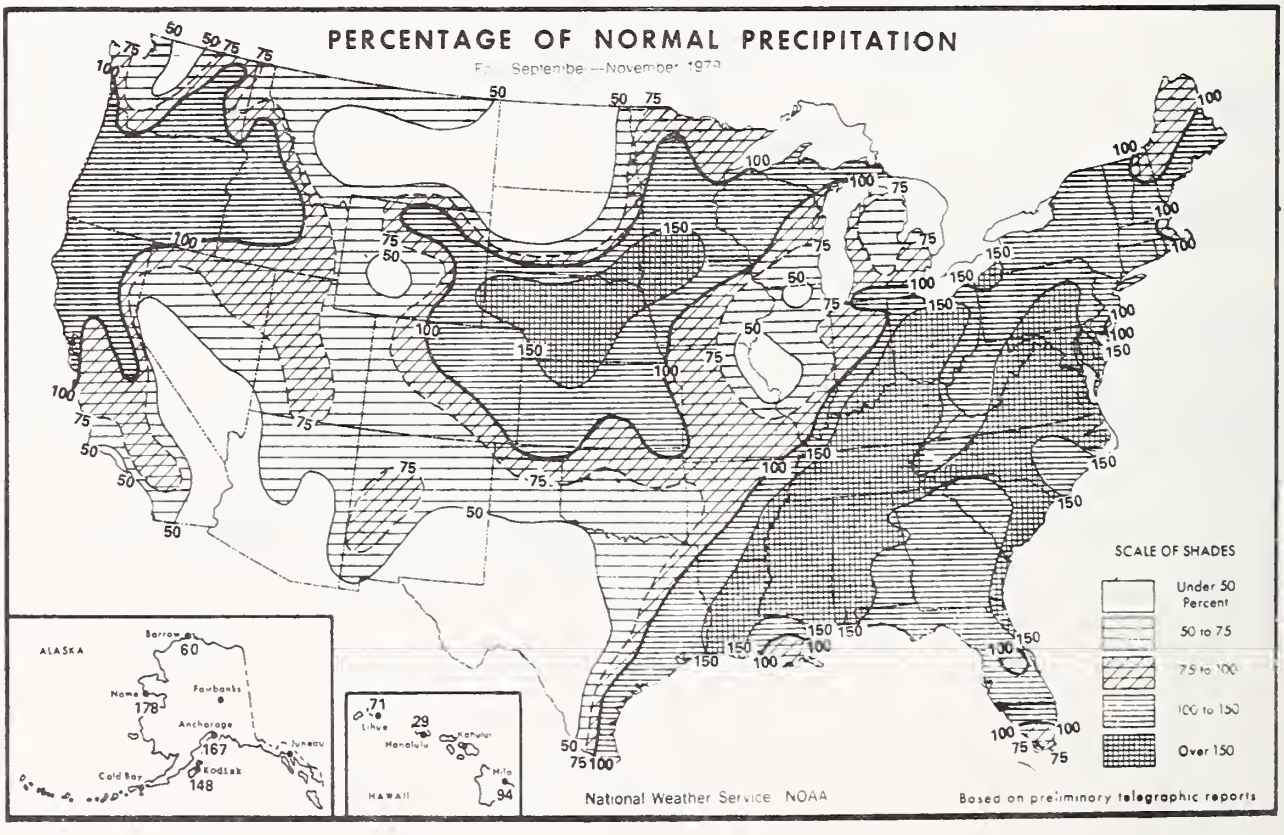


Figure 4



Source: Weekly Weather and Crop Bulletin, U.S. Department of Commerce, NOAA and U.S. Department of Agriculture, ESCS.

Figure 5

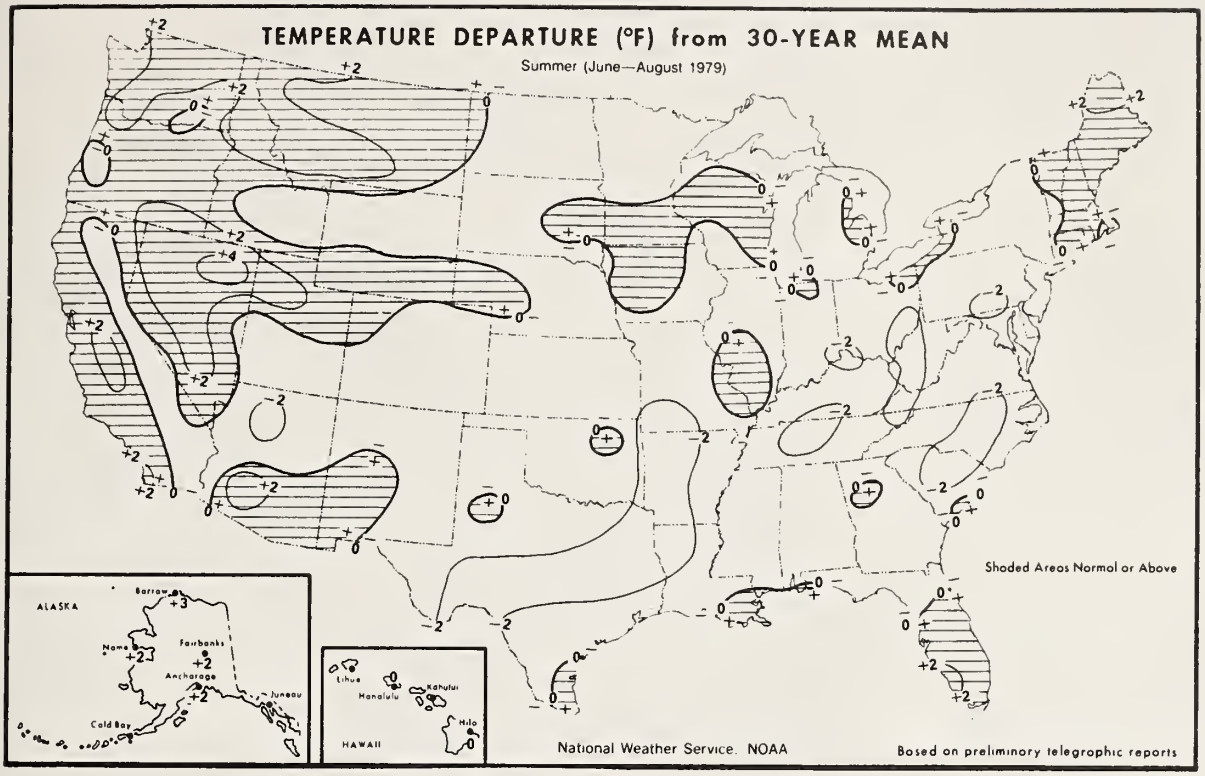
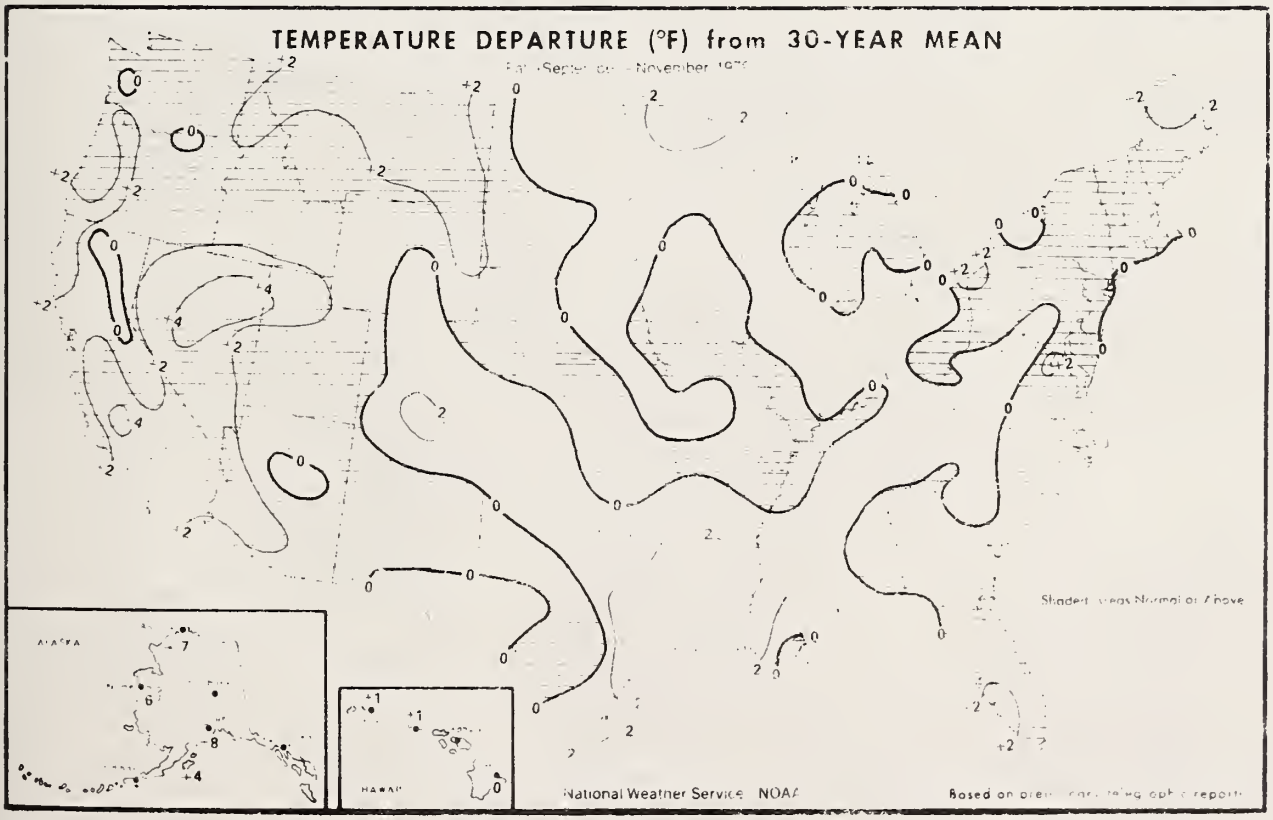


Figure 6



Source: Weekly Weather and Crop Bulletin, U.S. Department of Commerce, NOAA and U.S. Department of Agriculture, ESCS.

UNITED STATES
DEPARTMENT OF AGRICULTURE
WASHINGTON, D. C. 20250

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, $300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE
AGR-101

U.S.MAIL